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(21) International Application Number: PCT/US00/04424 (22) International Filing Date: 22 February 2000 (22.02.00) (30) Priority Data: 60/121,110 22 February 1999 (22.02.99) US (71) Applicant (for all designated States except US): ADVANCED RESEARCH AND TECHNOLOGY INSTITUTE [US/US]; Office of Technology Transfer, Suite 100, 1100 Waterway Boulevard, Indianapolis, IN 46202 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): RHODES, Simon, J. [GB/US]; 8534 Cedar Key Drive, Indianapolis, IN 46256 (US). BRIDWELL, Jeanne, L. [GB/US]; 2723 Manker Street, Indianapolis, IN 46203 (US). MEIER, Bradley, C. [US/US]; 2311 Central Street, Apartment 3, Evanston, IL 60201 (US). PARKER, Gretchen, E. [US/US]; 5418 Broadway, Indianapolis, IN 46220 (US). PRICE, Jeffrey, R. [US/US]; 308 Carrington Drive, Knightdale, NC 27545-9418 (US). SHOWALTER, Aaron, D. [US/US]; 4918 Pengragon Boulevard, Apartment C, Indianapolis, IN 46268 (US). SLOOP, Kyle, W. [US/US]; 611 North Park Avenue, Apartment 303, Indianapolis, IN 46204 (US).		(74) Agents: DOYLE, Kathryn et al.; Akin, Gump, Strauss, Hauer & Feld, L.L.P., One Commerce Square, 2005 Market Street, 22nd Floor, Philadelphia, PA 19103-7086 (US). (81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>Without international search report and to be republished upon receipt of that report.</i>
(54) Title: GENERATION OF DIAGNOSTIC TOOLS TO ASSAY THE HUMAN LHX3/P-LIM/LIM-3 FACTOR (57) Abstract The present invention relates to mammalian Lhx3 nucleic acids and proteins encoded thereby. More specifically, the invention discloses novel porcine and human Lhx3 genes and isoforms thereof. The invention further relates to genomic mapping of the human Lhx3 coding region to the subtelomeric region of Chromosome 9. The invention also relates to methods and kits relating to the nucleic and amino acids encoding Lhx3 and uses therefor.		